

SUB E<sup>1</sup>

2. [Transmission] A transmission system according to claim 1, [with] further comprising a switching device [(PBX)] for switching time-division multiplex digital signals [and with several] between a plurality of exchange terminations [(ET)], [characterized in that several] wherein the plurality of exchange terminations [(ET)] of the switching device are connected to a single user interface [(UNI)] of an ATM network [(ATMN)].

3. [Transmission] A transmission system according to claim 2, [characterized in that] wherein all exchange terminations [(ET)] of the switching device are connected to a single user interface [(UNI)] of [an] the ATM network [(ATMN)].

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SUB E<sup>2</sup>

4. [Transmission] A transmission system according to claim 1 [one of the preceding claims], [characterized in that] wherein the means [(IWF)] for converting time-division multiplex data and ATM cells contains a channel multiplexer/demultiplexer [(C-M/DM)], in order to distribute the for distributing digital signals of the individual time-division multiplex channels to the respectively allocated ATM cells, or[, respectively, to recuperate them] the digital signals from the ATM cells and distribute them into the allocated time-division multiplex channels; said system further comprising an ATM converter [(ATMC)] for packing items of digital information received from the channel multiplexer/demultiplexer [(C-M/DM)] into ATM cells or, respectively, for unpacking ATM cells and emitting the digital information contained therein to the channel multiplexer/demultiplexer [(C-M/DM)], and for [insertion of] inserting ATM cells from this cell stream, and [contains] an interface [(IF-STM1)] [in order to pass an item of] for passing synchronization information of the time-division multiplex signals to the ATM network [(ATMN)] or, respectively, to receive [this] synchronization information from the ATM network [(ATMN), evaluate it,] and pass it to the ATM converter [(ATMC)] and to the channel multiplexer/demultiplexer [(C-M/DM)].